

**PLACER COUNTY AIR POLLUTION CONTROL DISTRICT**

**Formica Corporation, Sierra Plant**

**TITLE V OPERATING PERMIT**

**Permit Number: F-0001**

**Issued To:**

Formica Corporation  
3500 Cincinnati Avenue  
Rocklin, California 95677

**Plant Site Location :**

Formica Sierra Plant  
3500 Cincinnati Avenue  
Rocklin, California 95677

**Issued By:**

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**Thomas J. Christofk, APCO**

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**Date**

**Effective Date:** May 2003

**Expiration Date:** (5 years from Effective Date)

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**Nature of Business:** Laminate Manufacturing

**SIC Code:** 3089

**Responsible Official:**

Vern Pilarsky  
Plant Manager  
(916) 645-3301

**Facility Contact:**

Ed Wojinski  
Manager, Safety and  
Environmental Affairs  
(916) 434-3019

**Formica Industries, Sierra Plant**

**Title V Operating Permit**

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## 1. FACILITY DESCRIPTION AND EQUIPMENT LIST

### 1.A. Facility Description

The Formica Corporation (Formica) Sierra plant in Rocklin manufactures high pressure laminates.

### 1.B. Equipment List

#### 1. Combustion Emissions Units

Description	District Unit #
Boiler # 1 (natural gas-fired)	Form 76-02
Boiler #2 (waste/natural gas-fired) vented to Baghouse #4	Form 76-01
RTO	Form 94-01
Duct Heater	Form 94-01

#### 2. Emissions Control Units

Description	District Unit #
Regenerative Thermal Oxidizer (RTO)	Form 94-01
Baghouse #1 North	Form 76-09
Baghouse #2 South	Form 76-09
Baghouse #3	Form 76-09
Baghouse #4	Form 76-01

#### 3. Coatings and Solvent Emissions

Description	District Unit #
Phenolic Treater Line #1	Form 76-05
Phenolic Treater Line #2	Form 76-06
Melamine Treater Line #3	Form 76-07(a)
Melamine Treater Line #4	Form 76-07(b)

#### 4. General Emissions Units

Description	District Unit #
Laminated sheet trimming and sanding	Form 76-09
Laminated sheet trimming and sanding	Form 87-01
Stainless Steel Plate Refinishing system	Form 76-08

#### 1.C. Exempt Equipment

Pursuant to District Rule 501 the following equipment is exempt:

##### 1. Cooling Towers

Description	Basis
Cooling Tower	<10,000 gallons/minute

##### 2. Drums

Description	Basis
Hexane and Naphtha	55 gallons
Oil and Kerosene	55 gallons

##### 3. Fixed Tanks

Description	Basis
Diesel Fuel Tank	1000 gal
Gasoline Fuel Tank	250 gal
Melamine Tank #1	<2 lb. VOC per day
Melamine Tank #2	<2 lb. VOC per day
Phenolic Tank #1	<2 lb. VOC per day
Phenolic Tank #2	<2 lb. VOC per day
Phenolic Tank #3	10,000 gallons (not in use)
Phenolic Tank #4	10,000 gallons (not in use)

#### **1.D. Insignificant Activities**

The following types of activities are exempted from the Title V permit requirements based on EPA's guidelines of Trivial Activities.

1. Plant maintenance and upkeep activities, such as painting.
2. The repair and maintenance shop activities not related to the source's primary business activities.
3. Combustion emissions from propulsion of mobile sources.
4. Portable generator, portable steam cleaner, and water heaters/steam cleaners.
5. Unheated cleaning equipment and office janitorial activities and equipment and consumers use of janitorial products and consumer use of office equipment and products.

## 2. SPECIFIC EMISSION UNIT CONDITIONS

### 2.A. Emission Limits

#### 1. Boiler #2

##### a. Boiler #2 Hourly Emission Limits (fueled on gas and wood waste)

i. When Boiler #2- is fired on waste material and natural gas, the discharge of NO<sub>x</sub> emissions shall not exceed the following limitations, whichever is less stringent:

1. An exhaust concentration of 150 parts per million by volume (ppmv) referenced at dry stack-gas conditions and 3.00 percent by volume stack-gas oxygen on a three-hour average basis.
2. An exhaust emission rate of 15.5 pounds per hour on a three-hour average basis.

Origin: AC 99-06 Condition 13c

Authority: Rule 241, Boilers at Plastic Laminate Manufacturing Facilities § 301.1 [Adopted 04-08-99]

ii. No person shall allow the discharge of carbon monoxide (CO) emissions from units subject to District Rule 241, in excess of 400 ppmv referenced at dry stack-gas conditions and 3.00 percent by volume stack-gas oxygen, on a three-hour average basis.

Origin: AC 99-06 Condition 13e

Authority: Rule 241, Boilers at Plastic Laminate Manufacturing Facilities § 301.2 [Adopted 04-08-99]

##### b. Boiler #2 (Form 76-01) Hourly Emissions Limits (fueled on gas only)

When Boiler #2 is fired natural gas only, the discharge of NO<sub>x</sub> emissions shall not exceed:

- i. An exhaust concentration of 50 ppmv referenced at dry stack-gas conditions and 3.00 percent by volume stack-gas oxygen on a three-hour average basis.
- ii. An exhaust emission rate of 5.2 pounds per hour on a three-hour average basis.

Origin: AC 99-06 Condition 13d

Authority: Rule 241, Boilers at Plastic Laminate Manufacturing Facilities § 301.2 [Adopted 04-08-99]

iii. No person shall allow the discharge of carbon monoxide (CO) emissions from units subject to District Rule 241 in excess of 400 ppmv referenced at dry stack-gas conditions and 3.00 percent by volume stack-gas oxygen, on a three-hour average basis.

Origin: AC 99-06 Condition 13e

Authority: Rule 241, Boilers at Plastic Laminate Manufacturing Facilities § 301.2 [Adopted 04-08-99]

##### c. Boiler #2 Quarterly Emissions

Boiler #2 emissions shall not exceed:

Pollutant	Pounds/quarter
Nitrogen Oxides (NO <sub>x</sub> )	34,224
Carbon Monoxide (CO)	56,966

Origin: AC 99-06 Condition 13f

Authority: Rule 241, Boilers at Plastic Laminate Manufacturing Facilities § 301.1 [Adopted 04-08-99]

## 2. Duct Heating Unit Daily Emission Limits

Air pollutant emissions from the heating unit may not exceed the following rates without the prior authorization of the Air Pollution Control Officer:

Pollutant	Pounds/day
Particulate Matter	0.3
Oxides of Nitrogen	9.0
Carbon Monoxide	1.3
Sulfur Oxides	0.1
Non-methane Hydrocarbon	0.5

Origin: 95-20 Condition 21c

Authority: Rule 501, General Permit Requirements § 303 [amended 11-03-94]

## 3. Phenolic Treaters Quarterly Emission Limits

Phenolic Treater and Thermal Oxidizer total volatile organic compounds (VOC) emissions shall not exceed:

VOC Emissions	Calendar Quarter
15,120 lbs.	January through March (1st quarter)
15,288 lbs.	April through June (2nd quarter)
15,456 lbs.	July through September (3rd quarter)
15,456 lbs.	October through December (4th quarter).

Origin: PTO-7-1-2000 Condition 16

Authority: Rule 501, General Permit Requirements § 303.4 [amended 11-03-94] and

Rule 504, Emission Reduction Credits § 301.4 [amended 11-03-94]

## 4. RTO Hourly, Daily, Quarterly Emission Limits

Regenerative Thermal Oxidizer emissions shall not exceed:

Pollutant	Lbs./hour	Lbs./day	Lbs./quarter
NOx	1.81	43.4	3,960
CO	.38	9.0	830
PM10	.1	2.3	216
ROC	7.0	168	See 2.A.3
SO2	.0053	0.1	12

Origin: PTO-7-1-2000 Condition 33c

Authority: Rule 501, General Permit Requirements § 303 [amended 11-03-94]

## **2.B. Operating Conditions**

### **1. Baghouses**

**a.** Spare bags shall be kept available for the replacement of torn or otherwise defective bags. Replacement bags shall be made available for District inspection.

Origin: PTO-7-1-2000 Condition 11

Authority: Rule 501, General Permit Requirements § 303 [amended 11-03-94]

**District Only**

**b.** Pressure gauge(s) indicating the differential pressure of baghouse bag inlet and outlet plenums shall be installed and shall be operable at all times the baghouse or baghouse serviced equipment are in operation. Such gauges shall be subject to the reporting requirements of Rule 404, shall provide indication in inches of water, and shall be readily accessible for inspection.

Origin: PTO-7-1-2000 Condition 10

Authority: Rule 501, General Permit Requirements § 303 [amended 11-03-94]

**District Only**

### **2. Baghouses**

Collected particulate matter shall be handled in a manner which prevents re-entrainment of the material into the ambient air. No collected particulate matter shall be outside of the collection bin.

Origin: PTO-7-1-2000 Condition 12

Authority: Rule 501, General Permit Requirements § 303 [amended 11-03-94]

**District Only**

### **3. Phenolic Treaters**

#### **a. Use Resins 4113 and 4126 Only**

Unless demonstrated by testing or an engineering evaluation to emit lower or equal quantities of volatile organic compounds (VOCs) after thermal oxidizer control, and unless approved by the Air Pollution Control Officer, the only phenolic treater resins which are permitted to be used in either treater are: Georgia-Pacific Flat Stock Resin 4113 and Georgia-Pacific Forming Resin 4126 or resins of equivalent composition, as determined by the Air Pollution Control Officer.

Origin: PTO-7-1-2000 Condition 22

Authority: Rule 501, General Permit Requirements § 303 [amended 11-03-94]

#### **b. RTO Operates When Treater Operate**

The phenolic treaters shall at no time be operated unless the thermal oxidizer is fully operational or in accordance with Rule 404, Upset Conditions. Breakdowns or Scheduled Maintenance, or a variance granted by the District Hearing Board.

Origin: PTO-7-1-2000 Condition 18

Authority: Rule 501, General Permit Requirements § 303 [amended 11-03-94]

#### **c. Operation Schedule**

The schedule of operations for Phenolic Treaters #1 and #2, and the thermal oxidizer shall not exceed 24 hours per day, nor 7 days per week, nor 52 weeks per year, without prior notice being made to the Air Pollution Control Officer and receipt of his authorization.

Origin: AC 92-27 Condition 12

Authority: Rule 501, General Permit Requirements § 303 [amended 11-03-94]



**d. Resin Use Limits**

No more than 48,000 pounds of resin per day shall be used in either Phenolic Treater, and no more than 96,000 pounds of resin shall be used by both treaters combined in any one day. For the purposes of these conditions, unless otherwise stated, a "year" is any 12 contiguous months and a "day" is any calendar day.  
Origin: AC 92-27 Condition 25

Authority: Rule 501, General Permit Requirements § 303 [amended 11-03-94]

**4. RTO Operating Conditions**

**a. Damper Use**

Oxidizer isolation damper shall be used for catalyst bake out and for control of treaters for fire prevention only.

Origin: PTO-7-1-2000 Condition 30

Authority: Rule 501, General Permit Requirements § 303 [amended 11-03-94]

**b. RTO Operating Temperature**

The thermal oxidizer temperature shall be maintained at a minimum level necessary to ensure that the specified minimum destruction efficiency is achieved, at all times during operations of either treater.

Origin: PTO-7-1-2000 Condition 20

Authority: Rule 501, General Permit Requirements § 303 [amended 11-03-94]

**c. Exhaust Treatment After Line Shutdown**

Exhaust air will be circulated through the oxidizer for a period of 15 minutes after treater stoppage prior to venting to atmosphere.

Origin: PTO-7-1-2000 Condition 29

Authority: Rule 501, General Permit Requirements § 303 [amended 11-03-94]

**d. RTO Destruction Efficiency**

The thermal oxidizer shall have an overall hydrocarbon destruction efficiency of not less than 98.5 % by weight.

Origin: AC 92-27 Condition 15

Authority: Rule 504, Emission Reduction Credits § 301.4 [amended 11-03-94]

**e. Line and RTO Venting**

Prior to venting phenolic treaters lines or thermal oxidizer to atmosphere Formica shall obtain permission from the District.

Origin: PTO-7-1-2000 Condition 28

Authority: Rule 501, General Permit Requirements § 303 [amended 11-03-94]

**6. Boiler #1**

**a. Boiler #1 Annual Fuel Usage Limit**

Annual natural gas usage of Boiler #1 shall not exceed 90,000 therms.

Origin: Rule 231, Industrial, Institutional, and Commercial Boilers, Steam Generators, and Process Heaters [amended 10-09-97]

Authority: Rule 231, Industrial, Institutional, and Commercial Boilers, Steam Generators, and Process Heaters [amended 10-09-97]

**b. Boiler #1**

Formica shall:

- a. Maintained stack-gas oxygen at less than or equal to 3.00 percent by volume on a dry basis; or
- b. Operate with a stack-gas oxygen trim system set at 3.00 percent by volume oxygen. The tolerance of this setting shall be plus or minus ( $\pm$ ) five percent (i.e. 2.85 to 3.15 percent by volume oxygen); or
- c. Have the boiler tuned by a qualified technician at least once per in accordance with the procedures described in Section 600 of District Rule 231.

Origin: Rule 231, Industrial, Institutional, and Commercial Boilers, Steam Generators, and Process Heaters [amended 10-09-97]

Authority: Rule 231, Industrial, Institutional, and Commercial Boilers, Steam Generators, and Process Heaters [amended 10-09-97]

### **3. FACILITY-WIDE CONDITIONS**

#### **3.A. Opacity Rule 202**

Stack emission opacity as dark or darker than Ringelmann No. 1 (20% opacity) for a period or periods aggregating more than three (3) minutes in any one hour is prohibited and is in violation of District Rule 202, Visible Emissions.

Origin: PTO-7-1-2000 Condition 33b

Authority: Rule 202, Visible Emissions [amended 05-20-85]

#### **3.B. Nuisance Rule 205**

No emissions are permitted, from any source, which are a nuisance per District Rule 205, Nuisance.

Origin: PTO-7-1-2000 Condition 33a

Authority: Rule 205, Nuisance [amended 05-24-77]

**District Only**

#### **3.C. PM Limit Rule 207**

In accordance with District Rule 207, Formica shall not release or discharge from any source or single processing unit, exclusive of sources emitting combustion contaminants only, particulate matter in excess of 0.1 gr/dscf at standard conditions.

Origin: Rule 207, Particulate Matter [amended 10-19-93]

Authority: Rule 207, Particulate Matter [amended 10-19-93]

**District Only**

#### **3.D. Emission Limits Rule 210**

##### **1. Combustion PM Limit Rule 210**

In accordance with District Rule 210, Specific Contaminants, particulate matter shall not exceed 0.1 gr/dscf at 12 percent carbon dioxide (CO<sub>2</sub>) at standard conditions.

Origin: AC 92-27 Condition 11c

Authority: Rule 210, Specific Contaminants [amended 10-19-93]

##### **2. Sulfur Limit Rule 210**

The emission of sulfur compounds, calculated as sulfur dioxide, shall not exceed 0.2 percent by volume, per Rule 210, Specific Contaminants.

Origin: AC 92-27 Condition 11d

Authority: Rule 210, Specific Contaminants [amended 10-19-93]

#### **3.E. Process PM Limit Rule 211**

The PM emissions from any process shall not exceed the limit calculated using the following equations:

For Process rates less than 30 tons per hour

$$E = 3.59 P^{.62}$$

For Process weight > 30 tons/ hour

$$E = 17.31 P^{.16}$$

Where:

E = Emission limit in pounds per hour

P = Process weight rate in tons per hour

Origin: Rule 211, Process Weight [amended 10-19-93]

Authority: Rule 211, Process Weight [amended 10-19-93]

### **3.F. Upset Breakdown Rule 404**

#### **1. Report Upsets Rule 404**

##### **a. Notification Required**

The plant manager or designee shall notify the District (per Rule 404) of any upset conditions, breakdown or scheduled maintenance which cause emissions in excess of limits established by District Rules and Regulations.

Origin: PTO-7-1-2000 Condition 2

Authority: Rule 404, Upset Conditions, Breakdown, or Scheduled Maintenance § B.1 [amended 06-19-79]

**District Only**

##### **b. Notification Within 2 Hours**

Formica shall notify the District within two hours of any upset conditions, breakdown or scheduled maintenance which cause emissions in excess of limits established by District Rules and Regulations. (Rule 404)

Origin: Rule 404, Upset Conditions, Breakdown, or Scheduled Maintenance § B.1 [amended 06-19-79]

Authority: Rule 404, Upset Conditions, Breakdown, or Scheduled Maintenance § B.1 [amended 06-19-79]

**District Only**

#### **2. Cease Violations Rule 404**

In the event of any violation of District Rules and Regulations plant manager shall cease operation of violating equipment and take action to end such violation; except as provided for by District Rule 404.

PTO-7-1-2000 Condition 1

Authority: Rule 404, Upset Conditions, Breakdown, or Scheduled Maintenance § B.1 [amended 06-19-79]

**District Only**

### **3.G. Source Record Keeping and Reporting Rule 408**

Upon notification from the District, Formica shall maintain records of the nature and amounts of emissions from any source and/or any other information as may be deemed necessary by the District to determine whether such source is in compliance with applicable emission limitations or other control measures. The Air Pollution Control Officer may require that such records be certified by a professional engineer, registered in the State of California. Such studies shall be at the expense of the person causing the emissions. The information recorded shall be summarized and reported to the District, on forms or formats as furnished by the District, and shall be submitted within 45 days after the end of the reporting period. Reporting periods are January 1 - June 30 and July 1 - December 31, except that the initial report period shall commence on the date the District issues notification of the record keeping requirements.

Information reported by Formica and copies of the summarizing reports submitted to the District shall be retained by Formica for 5 years after the date on which the pertinent report is submitted

Origin: Rule 408, Source Record Keeping and Reporting [amended 05-24-77]

Authority: Rule 408, Source Record Keeping and Reporting [amended 05-24-77]

### **3.H. General District Permit Requirements Rule 501**

#### **1. ATC Required Rule 501**

An Authority to Construct application shall be filed with the District prior to the modification or replacement of any equipment for which a Permit to Operate has been granted; and prior to the installation and operation of any equipment for which an Authority to Construct is required pursuant to Health and Safety Code, Section 42300, and District Rule 501, Permits Required.

Origin: PTO-7-1-2000 Condition 8

Authority: Rule 501, General Permit Requirements § 300 [amended 11-03-94]

## **2. Limit Exceedance Prohibited Rule 501**

### **a. Rule Limits**

Exceeding any of the emission limitation established by the Rules and Regulations of the District is prohibited unless specifically allowed by a granted Variance, or due to an upset, breakdown, or scheduled maintenance per District Rule 404.

Origin: Rule 501, General Permit Requirements § 303 [amended 11-03-94]

Authority: Rule 501, General Permit Requirements § 303 [amended 11-03-94]

### **b. Permit Limits**

Exceeding any limiting condition is prohibited without prior application for, and the subsequent granting of a permit modification pursuant to District Rule 501, General Permit Requirements, Section 400 and District Rule 507, Title V Permit to Operate, Sections 302.6 and 302.7.

Origin: Rule 501, General Permit Requirements § 400 [amended 11-03-94] and Rule 507 § 302.6 and § 302.7 [amended 04-17-01]

Authority: Rule 501, General Permit Requirements § 400 [amended 11-03-94] and Rule 507 § 302.6 and § 302.7 [amended 04-17-01]

## **3. Maintain Equipment in Good Working Condition Rule 501**

The equipment must be properly maintained and kept in good operating conditions at all times.

Origin: PTO-7-1-2000 Condition 14

Authority: Rule 501, General Permit Requirements § 304.3 [amended 11-03-94]

### **District Only**

## **4. Toxics Hot Spots Compliance Rule 501**

Compliance of the permitted facility is required with the provisions of the "Air Toxics 'Hot Spots' Information and Assessment Act" of 1987 (Health and Safety Code Sections 44300 et seq.).

Origin: PTO-7-1-2000 Condition 9

Authority: Rule 501, General Permit Requirements § 303.1 [amended 11-03-94]

### **District Only**

## **5. Change of Ownership Rule 501 Application Requirement**

A change of ownership application must be filed and processed by the District prior to any change in control or ownership of facilities constructed, operated, or modified under authority of this permit.

Origin: Rule 501, General Permit Requirements § 303 [amended 11-03-94]

Authority: Rule 501, General Permit Requirements § 303 [amended 11-03-94]

## **6. Permit Revision Rules 501 and 507**

Revisions to this permit may be requested pursuant to District Rule 501, General Permit Requirements, Section 400 and District Rule 507, Title V Permit to Operate, Sections 302.6 and 302.7.

Origin: Rule 501, General Permit Requirements § 400 [amended 11-03-94], Rule 507 § 302.6 and § 302.7 [amended 04-17-01]

Authority: Rule 501, General Permit Requirements § 400 [amended 11-03-94], Rule 507 § 302.6 and § 302.7 [amended 04-17-01]

## **7. Definition Rule 501**

For the purposes of determining compliance with emission limitations:

### **a. Hourly limitations shall be based on a three-hour average.**

Origin: AC 92-27 Condition 11k

Authority: Rule 501, General Permit Requirements § 303 [amended 11-03-94]

### **b. Daily limitations shall be based on any 24 contiguous hours.**

Origin: Rule 501, General Permit Requirements § 303 [amended 11-03-94]

Authority: Rule 501, General Permit Requirements § 303 [amended 11-03-94]

c. Quarterly shall be based on calendar quarters beginning in January, April, July, and October.

Origin: Rule 504, Emission Reduction Credits § 218 [amended 11-03-94]

Authority: Rule 504, Emission Reduction Credits § 218 [amended 11-03-94]

#### **8. Develop Maintenance Program**

The plant manager shall develop a maintenance program for equipment listed herein to preclude a violation of the California Health and Safety Code and District Rules and Regulations.

Origin: PTO-7-1-2000 Condition 6

Authority: Rule 501, General Permit Requirements § 303 [amended 11-03-94] and Rule 230, Plastic Products and Materials - Paper Treating Operations § 402 [adopted 06-28-94]

#### **9. Equipment Must Operate as Permitted**

Operation of this equipment must be conducted in compliance with all data and specifications submitted with the application under which this permit is issued unless otherwise noted below.

Origin: PTO-7-1-2000 Condition 3

Authority: Rule 501, General Permit Requirements § 303.6 [amended 11-03-94]

#### **10. Permit Not Permission to Violate**

The permit does not authorize the emission of air contaminants in excess of those allowed by Division 26, Part 4, of the Health and Safety Code of the State of California or the Rules and Regulations of the Air Pollution Control District. The permit(s) cannot be considered as permission to violate existing laws, ordinances, regulations or statutes of other governmental agencies.

Origin: PTO-7-1-2000 Condition 15

Authority: Rule 501, General Permit Requirements § 303.6 [amended 11-03-94]

#### **11. End Violations**

In the event of any violation of the District Rules and Regulations, Formica shall take action to end such violation.

Origin: Rule 501, General Permit Requirements § 303.6 [amended 11-03-94]

Authority: Rule 501, General Permit Requirements § 303.6 [amended 11-03-94]

#### **3.I. Report Changes Rule 502**

Pursuant to District Rule 502, New Source Review, Section 227, the plant manager, or designee, shall immediately report to the District any changes in production rates or operation schedules, changes in operation methods or fuel characteristics, the addition to or removal of permitted equipment, and changes of any facilities or systems installed or used to achieve compliance with the District Rules and Regulations in addition to the terms and conditions of this Permit to Operate.

Origin: AC 99-06 Condition 4

Authority: Rule 502, New Source Review [amended 08-09-01]

#### **3.J. Emission Statement Rule 503**

Formica shall provide the District with a written emission statement showing actual emissions of volatile organic compounds and oxides of nitrogen. Pursuant to District Rule 503 Formica shall submit this emission statement on a form or in a format specified by the Air Pollution Control Officer. The statement shall contain the following information:

- a. Information contained in the California Air Resources Board's Emission Inventory Turn Around Document as described in Instructions for the Emission Data System Review and Update Report; and
- b. Actual emissions of volatile organic compounds and oxides of nitrogen, in tons per year, for the calendar year prior to the preparation of the emission statement; and
- c. Information regarding seasonal or diurnal peaks in the emission of affected pollutants; and

- d. Certification by a responsible official of the company that the information contained in the emission statement is accurate to the best knowledge of the individual certifying the emission statement.

Origin: Rule 503, Emission Statement [amended 9-21-93]

Authority: Rule 503, Emission Statement [amended 9-21-93]

**District Only**

**3.K. ERC Certificate Not Evidence of Compliance Rule 504**

- a. The registration and issuance of an ERC Certificate shall not constitute evidence of compliance with the rules and regulations of the District, or a representation or assurance to the recipient upon which reliance is authorized or intended that the ERC represented by the ERC Certificate are available from the District bank.

Origin: Rule 504, Emission Reduction Credits § 401.1 [amended 11-03-94]

Authority: Rule 504, Emission Reduction Credits § 401.1 [amended 11-03-94]

- b. The District may require a user within the District of offsets which are dependent upon compliance with the emission limit(s) for permanency, to obtain valid offsets or curtail operations to the extent that the credited reductions used as offsets are deemed to be no longer valid, pursuant to Rule 502, New Source Review.

Origin: PTO-7-1-2000 Condition 19

Authority: Rule 504, Emission Reduction Credits § 301.4 [amended 11-03-94]

- c. Prior to the registration and issuance of ERC Certificates and prior to any deposit, withdrawal, or the transfer of Emission Reduction Credits, a report shall be made to the District detailing the amount of emissions for offsets purchased, by pollutant; the year the offset transaction occurred; and the total cost, by pollutant, of the offsets purchased, and other such information as may be required to perform the cost analysis required by Section 40709.5(e) of the California Health and Safety Code. This information shall be part of the public record.

Origin: PTO-7-1-2000 Condition 27

Authority: Rule 504, Emission Reduction Credits § 501.1 [amended 11-03-94]

**3.L. Federal Operating Permit Program Rule 507**

Prior to the transfers of ownership or operational control of a stationary source, the Air Pollution Control Officer must receive a written agreement which specifies a date for the transfer of permit responsibility, coverage, and liability from the current to the prospective permittee.

Origin: Rule 507, Federal Operating Permit Program § 202.4 305 Transfer [amended 04-17-01]

Authority: Rule 507, Federal Operating Permit Program § 202.4 Transfer [amended 04-17-01]

### **3.M. Miscellaneous Federal Requirements**

#### **1. Protection of Stratospheric Ozone**

Maintenance, service, repair or disposal of appliances containing ozone depleting compounds as defined in Appendix A and Appendix B to Subpart A of 40 CFR Part 82 shall be performed by persons certified by a technician certification program approved pursuant to 40 CFR Part 82.161.

Origin: 40 CFR Part 82, Protection of Stratospheric Ozone

Authority: 40 CFR Part 82, Protection of Stratospheric Ozone

#### **2. Chemical Accident Prevention Provisions**

If , as defined in 40 CFR Part 68.3, Formica becomes subject to 40 CFR Part 68, then Formica shall submit a risk management plan (RMP) by the date specified in 40 CFR Part 68.10. A certification of compliance with this condition shall be included as part of the annual certification required by this Title V permit to operate.

Origin: 40 CFR Part 68, Chemical Accident Prevention Provisions

Authority: 40 CFR Part 68, Chemical Accident Prevention Provisions

#### **3. National Emission Standards for Hazardous Air Pollutants, Asbestos**

For demolition and renovation projects involving material containing Asbestos, Formica shall comply with the requirements of 40 CFR 61, National Emission Standards for Hazardous Pollutants, Sections 60.145 through 61.147.

Origin: 40 CFR Part 61, National Emission Standards for Hazardous Air Pollutants, Subpart M

Authority: 40 CFR Part 61, National Emission Standards for Hazardous Air Pollutants, Subpart M



## **4. STANDARD TERMS AND CONDITIONS**

### **4.A. Permit Life/Term**

This Permit to Operate shall expire five years from the time of issuance. Permit expiration terminates Formica's right to operate unless a timely renewal application is submitted.

Origin: Rule 507, Federal Operating Permit Program § 402.2.p [amended 04-17-01]

Authority: Rule 507, Federal Operating Permit Program § 402.2.p [amended 04-17-01]

### **4.B. Payment of Fees**

Formica shall pay all District fees including any supplemental annual fee, as calculated the procedures specified in Section 403 of District Rule 507, on a timely basis. Failure to remit fees on a timely basis shall result in the forfeiture of this permit to operate. Operation without a permit subjects the source to potential enforcement action by the District and the U.S. EPA pursuant to § 502(a) of the Clean Air Act.

Origin: Rule 507, Federal Operating Permit Program § 402.2.o [amended 04-17-01]

Authority: Rule 507, Federal Operating Permit Program § 402.2.o [amended 04-17-01]

### **4.C. Right of Entry**

The Regional Administrator, the Executive Officer of the California Air Resources Board, the APCO, or their authorized representatives, upon the presentation of credentials, shall be permitted:

1. To enter upon the premises where the source is located or in which any records are required to be kept under the terms and conditions of this Permit to Operate; and
2. At reasonable times to have access to, inspect and copy any records required to be kept under the terms and conditions of this Permit to Operate; and
3. To inspect any equipment at the stationary source, operation, work practices, emission-related activities or method required in this Permit to Operate; and
4. To sample emissions from the source or other monitoring activities.

Origin: Rule 507, Federal Operating Permit Program § 402.2.j [amended 04-17-01]

Authority: Rule 507, Federal Operating Permit Program § 402.2.j [amended 04-17-01]

### **4.D. Severability**

The provisions of this Permit to Operate are severable, and, if any provision of this Permit to Operate is held invalid, the remainder of this Permit to Operate shall not be affected thereby.

Origin: Rule 507, Federal Operating Permit Program § 402.2.m [amended 04-17-01]

Authority: Rule 507, Federal Operating Permit Program § 402.2.m [amended 04-17-01]

### **4.E. Need to Halt or Reduce Activity Not a Defense**

Formica shall not use the "need to halt or reduce a permitted activity in order to maintain compliance" as a defense for non-compliance with any permit condition.

Origin: Rule 507, Federal Operating Permit Program § 402.2.k.4 [amended 04-17-01]

Authority: Rule 507, Federal Operating Permit Program § 402.2.k.4 [amended 04-17-01]

#### **4.F. Modification, Revocation, Reopening for Cause**

This permit may be modified, revoked, reopened and reissued, or terminated for cause. The filing of a request by Formica for a permit modification, revocation and re-issuance, or termination, or of a notification of planned changes or anticipated non-compliance does not stay any permit condition.

Origin: Rule 507, Federal Operating Permit Program § 402.2 k.5 [amended 04-17-01]

Authority: Rule 507, Federal Operating Permit Program § 402.2 k.5 [amended 04-17-01]

#### **4.G. Submit Information and Records**

Within a reasonable time period, Formica shall furnish any information requested, in writing, by the air pollution control officer (APCO) of Placer County Air Pollution Control District, for the purpose of determining:

1. Compliance with the permit, or
2. Whether or not cause exists for a permit or enforcement action.

For information claimed to be confidential, Formica may furnish such information directly to the APCO along with a claim of confidentiality.

Origin: Rule 507, Federal Operating Permit Program § 402.2.k.6 [amended 04-17-01]

Authority: Rule 507, Federal Operating Permit Program § 402.2.k.6 [amended 04-17-01]

#### **4.H. Duty to Comply**

Formica shall comply with provisions of this Permit To Operate. Any permit noncompliance constitutes grounds for enforcement action; for permit termination, revocation and re-issuance, or modification; or for denial for a permit renewal application.

Origin: Rule 507, Federal Operating Permit Program § 402.2 k.1 and 402.2.k.3 [amended 04-17-01]

Authority: Rule 507, Federal Operating Permit Program § 402.2 k.1 and 402.2.k.3 [amended 04-17-01]

#### **4.I. Property Rights**

This Permit To Operate does not convey property rights or exclusive privilege of any sort.

Origin: Rule 507, Federal Operating Permit Program § 402.2.k.2 [amended 04-17-01]

Authority: Rule 507, Federal Operating Permit Program § 402.2.k.2 [amended 04-17-01]

#### **4.J. Duty to Apply for Renewal**

Formica shall apply for renewal of this permit no earlier than 18 months before the date of expiration nor later than 6 months before the date of expiration.

Origin: Rule 507, Federal Operating Permit Program § 302.4 [amended 04-17-01]

Authority: Rule 507, Federal Operating Permit Program § 302.4 [amended 04-17-01]

#### **4.K. Emergency Provisions**

##### **1. Emergency Definition**

An "emergency" is any situation arising from a sudden and reasonably unforeseeable event beyond the control of Formica (e.g., an act of God) which causes the exceedance of a technology-based emission limitation under a permit and requires immediate corrective action to restore compliance. An "emergency" shall not include noncompliance as a result of improperly designed equipment, lack of preventive maintenance, careless or improper operation, or operator error.

Origin: Rule 507, Federal Operating Permit Program §212 [amended 04-17-01]

Authority: Rule 507, Federal Operating Permit Program §212[amended 04-17-01]

## **2. Effect of an Emergency**

An emergency constitutes an affirmative defense to an action brought for noncompliance with such technology-based emission limitations if the reporting requirements are met.

Origin: 40 CFR 70.6(g)(2)

Authority: 40 CFR 70.6(g)(2)

## **3. Affirmative Defense**

The affirmative defense of emergency shall be demonstrated through properly signed, contemporaneous operating logs, or other relevant evidence that:

a. Formica complied with the requirements of Rule 404, Upset conditions, Breakdown and Scheduled Maintenance, and the emergency provisions contained in all applicable federal requirements; and  
b. That within two weeks of an emergency event, the responsible official submitted to the District a properly signed, contemporaneous log or other relevant evidence which demonstrates that:

- i. An emergency occurred;
- ii. Formica can identify the cause(s) of the emergency;
- iii. The facility was being properly operated at the time of the emergency;
- iv. All steps were taken to minimize the emissions resulting from the emergency; and
- v. Within two working days of the emergency event, Formica provided the District with a description of the emergency and any mitigating or corrective actions taken.

Origin: Rule 507, Federal Operating Permit Program §402.2.I [amended 04-17-01]

Authority: Rule 507, Federal Operating Permit Program §402.2.I [amended 04-17-01]

## **4. Burden of Proof**

In any enforcement proceeding, Formica has the burden of proof for establishing that an emergency occurred.

Origin: Rule 507, Federal Operating Permit Program § 402.2.I.3 [amended 04-17-01]

Authority: Rule 507, Federal Operating Permit Program § 402.2.I.3 [amended 04-17-01]

## **4.L. Voluntary Emissions Caps**

To the extent applicable federal requirements provide for averaging emissions increases and decreases within a stationary source without case-by-case approval, a responsible official may request, subject to approval by the Air Pollution Control Officer, to permit one or more emissions unit(s) under a voluntary emissions cap. The permit for each emissions unit shall include federally-enforceable conditions requiring that:

1. All applicable federal requirements, including those authorizing emissions averaging, are complied with;
2. No individual emissions unit shall exceed any emissions limitation, standard, or other requirement;
3. Any emissions limitation, standard, or other requirement shall be enforced through continuous emission monitoring, where applicable; and
4. All affected emissions units under a voluntary emissions cap shall be considered to be operating in violation of the permit, if the voluntary emissions cap is exceeded.

Origin: Rule 507, Federal Operating Permit Program § 402.2.r [amended 04-17-01]

Authority: Rule 507, Federal Operating Permit Program § 402.2.r [amended 04-17-01]

#### **4.M. Agency Addresses**

Notifications or correspondence as required by this Title V Permit To Operate shall be forwarded to the following addresses:

1. Director, Air and Toxics Division (Attn.: A-3-3)  
U.S. Environmental Protection Agency 75 Hawthorne Street  
San Francisco, CA 94105
2. Air Pollution Control Officer  
Placer County Air Pollution Control District  
11464 "B" Avenue  
Auburn, CA 20530

Origin: General Information

Authority: General Information

#### **4.N. Reopening Permit for Cause**

##### **1. Circumstances**

This permit shall be reopened and revised under any of the following circumstances including, but are not limited to, the following:

- a. The need to correct a material mistake or inaccurate statement;
- b. The need to revise or revoke a permit to operate to assure compliance with applicable federal requirements;
- c. The need to incorporate any new, revised, or additional applicable federal requirements, if the remaining authorized life of the permit is 3 years or greater, no later than 18 months after the promulgation of such requirement (where less than 3 years remain in the authorized life of the permit, the Air Pollution Control Officer shall incorporate these requirements into the permit to operate upon renewal).

Origin: Rule 507, Federal Operating Permit Program § 401.8 [amended 04-17-01]

Authority: Rule 507, Federal Operating Permit Program § 402.1.8 [amended 04-17-01]

##### **2. Process**

In processing a permit reopening, the Air Pollution Control Officer shall use the same procedures as for an initial permit and additionally:

- a. Provide written notice to a responsible official and the US Environmental Protection Agency at least 30 days, or a shorter period in the case of an emergency, prior to reopening a permit; and
- b. Complete action to revise the permit as specified in the notice of reopening within 60 days after the written notice to the US Environmental Protection Agency pursuant to Subsection 401.4(b)(5), if the US Environmental Protection Agency does not object, or after the Air Pollution Control Officer has responded to US Environmental Protection Agency objection pursuant to Subsection 401.5(b).

Origin: Rule 507, Federal Operating Permit Program § 401.8 [amended 04-17-01]

Authority: Rule 507, Federal Operating Permit Program § 402.1.8 [amended 04-17-01]

#### **4.O. Permit Revision Exemption**

No permit revision shall be required, under any approved economic incentives, marketable permits, emissions trading and other similar programs or processes for changes that are provided for in this permit.

Origin: Rule 507, Federal Operating Permit Program § 402.2.u [amended 04-17-01]

Authority: Rule 507, Federal Operating Permit Program § 402.2.u [amended 04-17-01]

#### **4.P. Permit Shield**

Compliance with the conditions of this permit shall be deemed compliance with any applicable requirements as of the date of permit issuance, provided that:

1. Such applicable requirements are included and are specifically identified in this permit; or
2. In acting on this permit application or revision, the District determines in writing that other requirements specifically identified are not applicable to the source, and the permit includes the determination or a concise summary thereof.

Origin: 40 CFR Part 70.6(f)

Authority: 40 CFR Part 70.6(f)

## **5. ALTERNATIVE SCENARIOS**

The following alternative operating scenario is for equipment experiencing an unforeseen breakdown that may result in excess emissions for a sort period of time (i.e. less than 48 hours).

There may be periods when Formica facility will be operated pursuant to the requirements of the District Rule 404 (Upset Conditions, Breakdown or Scheduled Maintenance) and/or the Emergency Provisions under 40 CFR 70.6(g). During these times, Formica will comply with all the relevant notification, monitoring, reporting and record keeping requirements contained in District Rule 404 and 40 CFR 70.6(g).

Origin: Rule 507, Federal Operating Permit Program § 402.2.q [amended 3-19-01]

Authority: Rule 507, Federal Operating Permit Program § 402.2.q [amended 3-19-01]

## **6. MONITORING, TESTING, RECORD KEEPING AND REPORTING**

### **6.A. General Monitoring Frequency, Record Keeping and Reporting and Testing Requirements**

All monitoring, analytical methods, compliance certification, test methods, equipment management, and statistical procedures shall be consistent with any applicable federal requirement, including those pursuant to Sections 114(a)(3) and 504(b) of the Federal Clean Air Act, and 40 CFR Part 64.

#### **1. Monitoring Frequency**

Monitoring (sampling, testing, recording) shall be performed at a frequency sufficient to yield accurate, reliable and representative data with which the source's compliance with applicable limits or conditions can be demonstrated.

#### **2. Record Keeping**

##### **a. Formica shall:**

1. Maintain records of all required monitoring data and support information associated with any applicable federal requirement in a permanent form suitable for inspection including:
  - a. Date, place, and time of sampling;
  - b. Operating conditions at the time of sampling;
  - c. Date, place, and method of analysis; and
  - d. The company or entity that performed the analyses;
  - e. Results of the analysis;
  - f. Copies of all reports as required by applicable federal requirements; and

**Note:** Support information includes information on Continuous Monitoring Equipment operations including:

1. All calibration and maintenance records
  2. All original recordings for continuous monitoring instrumentation, and
  3. Performance and all other information required by 40 CFR 60.
- 
2. Comply with all record keeping requirements deemed necessary by the Air Pollution Control Officer to ensure compliance with all applicable federal requirement; and
- 
3. Retain these records for a period of at least five years from the date of sample collection, measurement, analysis, report, or application.

Origin: Rule 507, Federal Operating Permit Program § 402.2.g [amended 04-17-01]

Authority: Rule 507, Federal Operating Permit Program § 402.2.g [amended 04-17-01]

**b.** All required monitoring data and support information shall be retained for a period of at least 5 years from the date of the sample collection, measurement, report, or application.

Origin: Rule 507, Federal Operating Permit Program § 402.2.f.3 [amended 04-17-01]

Authority: Rule 507, Federal Operating Permit Program § 402.2.f.3 [amended 04-17-01]

**c.** All records shall be made available to District inspectors upon request.

Origin: Rule 503, General Permit Requirements § 503.1 [amended 11/03/94]

Authority: Rule 503, General Permit Requirements § 503.1 [amended 11/03/94]

### **3. Reporting**

Formica shall:

a. Report any deviation from permit requirements, including that attributable to upset conditions (as defined in District Rule 404), shall be promptly reported to the Air Pollution Control Officer. All reports of a deviation from permit requirements shall include the probable cause of the deviation and any preventative or corrective action taken.

b. Submit monitoring reports at least every six months. Monitoring reports shall identify any deviation from permit requirements, including those previously reported to the Air Pollution Control Officer in accordance with Subsection 6.A.3.a. Monitoring reports shall be submitted within 45 days of the end of the reporting period (Reporting periods are January 1 - June 30 and July 1 - December 31) and each monitoring report shall be accompanied by a written statement from the responsible official which certifies the truth, accuracy, and completeness of the report.

c. Submit compliance schedule progress reports on any compliance schedule at least semi-annually.

Progress reports shall containing:

1. The date when compliance will be achieved;
2. An explanation of why compliance was not, or will not be, achieved by the scheduled date; and
3. A log of any preventative or corrective actions taken.

Origin: Rule 507, Federal Operating Permit Program § 402.2.g [amended 04-17-01]

Authority: Rule 507, Federal Operating Permit Program § 402.2.g [amended 04-17-01]

### **4. Testing**

a. The District may require the conduct of emissions testing or analysis deemed necessary to demonstrate compliance with applicable requirements. If the District determines that tests are required, a written notice will be provided to Formica.

Origin: Origin: AC 92-27 Condition 8

Authority: Authority: Rule 230, Plastic Products and Materials - Paper Treating Operations § 502 [adopted 06-28-94]

b. Except as otherwise specified in District rules, regulations, or permit conditions the test methods used for determining compliance with emission limits shall be the appropriate method:

1. Adopted by the California Air Resources Board and cited in Title 17, California Code of Regulations, Division 3, Subchapter 8, Compliance with Non-vehicular Emission Standards; or
2. Identified in 40 CFR part 50, Appendix M, Recommended Test Methods for State Implementation Plans; or
3. Identified in 40 CFR part 60, Appendix A, Test Methods; or
4. Any alternative method approved by the Air Pollution Control Officer.

**Note:** The Air Pollution Control Officer shall request the review of the alternate test methods by the U.S. Environmental Protection Agency and the California Air Resources Board.

Origin: AC 92-27 Condition 29

Authority: Rule 501, General Permit Requirements § 501.1 [amended 11-03-94]



- c. All required testing shall be subject to the following:
1. A written test plan shall be submitted to the Air Pollution Control Officer detailing the sampling methods, analytical methods or detection principles to be used, at least thirty (30) days prior to the actual testing.
    - a. The plan shall cite the test methods to be used for the determination of compliance with the emission limitations of this permit.
    - b. The plan shall provide the proposed procedures for the characterization of operating conditions during testing.
  2. Independent testing contractors and analytical laboratories shall be Air Resources Board certified to perform the test or analysis conducted.
  3. Testing shall be conducted as close as achievable to the maximum process rates or the permitted rates resulting in maximized air pollutant emission rates.
  4. The conditions and equipment in operation during testing shall be recorded.
  5. Installed instrumentation readings for parameters affecting emission character or extent shall be recorded.
  6. The test evaluation results shall be reported to the District within sixty (60) days of testing.

Origin: AC 99-06 Condition 11e/11f and AC 92-27 Condition 29

Authority: Rule 241, Boilers at Plastic Laminate Manufacturing Facilities § 503 [Adopted 04-08-99] and District Rule 501, General Permit Requirements [amended 11-03-94]

## **6.B. Specific Emissions Unit Monitoring**

### **1. RTO Monitoring**

#### **a. Follow Operating Compliance Plan**

Formica shall conduct operations and monitoring in accordance with the Operating Compliance Plan, to assure that the design characteristics or equipment will be properly maintained (or that the operational conditions will be properly performed) so as to continuously achieve the minimum degree of VOC control of 98.5 percent.

Origin: PTO-7-1-2000 Condition 21

Authority: Rule 230, Plastic Products and Materials - Paper Treating Operations § 302 [adopted 06-28-94]

#### **b. Operate and Maintain Temperature Recorder**

The continuous recording device installed on the thermal oxidizer indicating the combustion chamber temperature shall be properly operated and maintained at all times the thermal oxidizer is operating.

Origin: AC 92-27 Condition 18

Authority: Rule 230, Plastic Products and Materials - Paper Treating Operations § 302 [adopted 06-28-94]

### **2. Boiler #2 Monitoring**

Boiler steam load and fuel usage by type shall be monitored.

Origin: AC 99-06 Condition 12

Authority: Rule 241, Boilers at Plastic Laminate Manufacturing Facilities § 501 [Adopted 04-08-99]

### **3. Resin Process Rate Monitoring**

The process rate shall be monitored in real time in such a way that the rate of resin usage can be determined continuously.

Origin: AC 92-27 Condition 19

Authority: Rule 501, General Permit Requirements § 304.3 [amended 11-03-94]

## **6.C. Logs**

### **1. RTO Operating Hours and Fuel Usage**

A record of the hours of operation and natural gas usage shall be made.

Origin: AC 96-59 Condition 11

Authority: Rule 230, Plastic Products and Materials - Paper Treating Operations § 302 [adopted 06-28-94]

### **2. Boiler #2**

The following records are required for Boiler #2.

- a. Days and hours of operation.
- b. Boiler steam load
- c. Fuel types, including gaseous, liquid, or solid fuels, and amounts on a monthly basis.
- d. Duration of startups and shutdowns
- e. Type and duration of maintenance and repairs
- f. Results of compliance tests

These may be either logs or charts.

Origin: AC 99-06 Condition 12

Authority: Rule 241, Boilers at Plastic Laminate Manufacturing Facilities § 501 [Adopted 04-08-99]

### **3. Resins Use**

A daily log indicating the amount and type of resin applied shall be maintained.

Origin: AC 92-27 Condition 20

Authority: Rule 230, Plastic Products and Materials - Paper Treating Operations § 501 [adopted 06-28-94]

### **4. Facility Maintenance**

A log or other record detailing the performance and date of preventive maintenance, corrective maintenance, and inspections, as well as reporting breakdowns (per District Rule 404), shall be established and maintained.

Origin: PTO-7-1-2000 Condition 7

Authority: Rule 230, Plastic Products and Materials - Paper Treating Operations § 502 [adopted 06-28-94]

### **5. Stainless Steel Plate Refinishing System Cleaning**

A log or other record of hourly, daily, and quarterly solvent (hexane) used and waste solvent disposal shall be established and maintained.

Origin: Rule 219, Organic Solvents [Revised 05-20-85]

Authority: Rule 219, Organic Solvents [Revised 05-20-85]

### **6. Boiler #1**

A log of the hours of operation and amount of natural gas used shall be established and maintained.

Origin: Rule 231, Industrial, Institutional, and Commercial Boilers, Steam Generators, and Process Heaters [amended 10-09-97]

Authority: Rule 231, Industrial, Institutional, and Commercial Boilers, Steam Generators, and Process Heaters [amended 10-09-97]

### **7. Present Logs on Request**

Actual logs, records and annual summaries shall be made available to the District on request.

Origin: Several Permit Conditions

Authority: Rule 230, Plastic Products and Materials - Paper Treating Operations § 502 [adopted 06-28-94]

## **8. Record Keeping**

Formica shall retain all required logs or records for a period of at least 5 years.

Origin: Rule 507, Federal Operating Permit Program § 402.2.f.3 [amended 04-17-01]

Authority: Rule 507, Federal Operating Permit Program § 402.2.f.3 [amended 04-17-01]

## **6.D. Testing**

### **1. RTO Control Efficiency Testing**

Source testing to demonstrate a thermal oxidizer volatile organic compound control efficiency of no less than 98.5%, an emission rate of no more than 7 pounds VOC per hour and 168 pounds VOC per day, shall be conducted annually, and whenever a resin other than those allowed by this permit is to be used.

Source testing will be performed, and compliance with the hourly limit will be based, on three consecutive one-hour test runs. Compliance with the daily emission limit will be based on the average hourly emission rate of the three one-hour test runs, multiplied by 24 (hours/day).

Origin: 96-59 Condition 10

Authority: Rule 230, Plastic Products and Materials - Paper Treating Operations § 302 [adopted 06-28-94]

### **2. Boiler #2 Compliance Tests**

#### **a. Test Boiler Annually**

Compliance source testing of Boiler #2 is required on an annual basis.

Origin: AC 99-06 Condition 11b

Authority: Rule 241, Boilers at Plastic Laminate Manufacturing Facilities § 502.1 [Adopted 04-08-99]

#### **b. Test NO<sub>x</sub>, CO, CO<sub>2</sub> and O<sub>2</sub>**

The compliance tests shall be conducted for Nitrogen Oxides (NO<sub>x</sub>), Carbon Monoxide (CO), Carbon Dioxide (CO<sub>2</sub>), and Oxygen (O<sub>2</sub>)

Origin: AC 99-06 Condition 11d

Authority: Rule 241, Boilers at Plastic Laminate Manufacturing Facilities § 503 [Adopted 04-08-99]

#### **c. State of Equipment During Compliance Testing**

All source tests shall be made in the as-found operating condition, except that source tests shall include at least one test conducted at the maximum feasible firing/process rate allowed. No source test shall be conducted within two hours after a continuous period in which fuel flow to the unit is zero, or shut off, for thirty minutes or longer.

Origin: AC 99-06 Condition 11c

Authority: Rule 241, Boilers at Plastic Laminate Manufacturing Facilities § 502.1.1 [Adopted 04-08-99]

### **3. Duct Heating Unit Testing**

Source testing shall be conducted using the methods and procedures approved by the District. Unless otherwise authorized in writing by the District, the methods shall be those used in establishing initial thermal oxidizer compliance under Authority to Construct AC 92-27.

Origin: 95-20 Condition 17

Authority: Rule 501, General Permit Requirements § 501 [amended 11-03-94]

## **6.E. Reports**

### **1. Annual Monitoring System Reports**

Monitoring system information, including process monitors used for emissions estimation, shall be submitted to the District on an annual basis.

Origin: AC 92-27 Condition 22

Authority: Rule 504, Emission Reduction Credits § 301.4 [amended 11-03-94]

## **2. Annual ERC Verification Reports**

Formica shall prepare and submit a succinct written analysis with the annual source test results confirming that the testing has demonstrated that the emission reductions are real and permanent on a continuous basis.

To verify emission reductions claimed the District may, in addition to the required source tests by California Air Resources Board and/or U.S. Environmental Protection Agency approved methods, require continuous monitoring, production records, fuel use records, or any other appropriate means.

Origin: PTO-7-1-2000 Condition 26

Authority: Rule 504, Emission Reduction Credits § 301.4 [amended 11-03-94]

## **6.F. Facility Monitoring and Maintenance Plans**

### **1. Submit Plan Annually**

An Operation and Maintenance Plan shall be submitted to the District annually. The Plan shall specify:

- a. Operation and maintenance procedures that will demonstrate continuous operation of the emission control system during emission-producing operations; and
- b. Records that must be kept to document the operation and maintenance procedures

Origin: AC 99-06 Condition 10b

Authority: Rule 230, Plastic Products and Materials-Paper Treating Operations § 402 [adopted 06-28-94]

### **2. Amend Plan To Reflect Changes**

Formica shall amend the Operating Compliance Plan to reflect any changes in operations, maintenance, or monitoring affecting the Operations Compliance Plan. These amendments shall be subject to District approval.

Origin: PTO-7-1-2000 Condition 21

Authority: Rule 230, Plastic Products and Materials - Paper Treating Operations § 302 [adopted 06-28-94]

### **7.A. Compliance Plan**

Formica shall follow the compliance plan (Forms 507-J1 and 507-J2) as submitted with the Title V Permit application. A copy of this compliance plan shall be attached and posted along with this permit.

Origin: Rule 507, Federal Operating Permit Program § 402.2.h [amended 04-17-01]

Authority: Rule 507, Federal Operating Permit Program § 402.2.h [amended 04-17-01]

### **7.B. Compliance Certification**

Formica shall submit compliance certification reports to the U.S. EPA and the APCO every twelve (12) months. The certification report shall:

1. Identify all permit terms or conditions and the means of monitoring each term or condition.
2. Include the compliance status and method(s) used to determine compliance for the current time period and over the entire reporting period of each term or condition.
3. Include any additional inspection, monitoring, or entry requirement that may be promulgated pursuant to Sections 114(a) and 504(b) of the Federal Clean Air Act between reports.
4. Be submitted on District approved forms for the compliance certification.
5. Be submitted within 45 days after the end of the reporting period of January 1-December 31.

The responsible official will certify in writing the truth, accuracy, and completeness of the certification report.

Origin: Rule 507, Federal Operating Permit Program § 402.2.n [amended 04-17-01]

Authority: Rule 507, Federal Operating Permit Program § 402.2.n [amended 04-17-01]

### **7.C. Compliance Schedules**

1. Should any emissions unit in compliance with applicable federal requirements become non-compliant during the certification period, Formica shall develop and submit to the District a compliance schedule. The compliance schedule shall:

- a. Resemble and be at least as stringent as that contained in any judicial consent decree, administrative order, or schedule approved by the District hearing board.
- b. Include:
  - i. A statement that the emissions unit will continue to comply with those federal requirements with which it is still in compliance;
  - ii. A statement that the emissions unit will comply, on a timely basis, with any applicable federal requirement that may become effective during the remaining term of this permit.
  - iii. A list of all preventative or corrective actions or activities taken or proposed to be taken, and the dates when these activities have or will be performed and completed.

The compliance schedule, once approved by the District, shall be incorporated into the compliance certification plan and the revised plan affixed to this permit.

2. Formica shall submit progress reports consistent with the applicable compliance schedule at least semiannually, or more frequently if specified in the applicable schedule requirements or requested by the District. Progress reports shall include:

- a. Dates for achieving the activities, milestones, or compliance required in the schedule of compliance, and; and The date when compliance will be achieved;
- b. A log or record of dates when such activities, milestones or compliance were achieved; and
- c. An explanation of why any dates in the schedule of compliance were not or will not be met, and any preventive or corrective measures adopted or taken.

Origin: Rule 507, Federal Operating Permit Program § 402.2.i [last amended 04-17-01]

Authority: Rule 507, Federal Operating Permit Program § 402.2.i [last amended 04-17-01]